

Eastern Arizona Amateur Radio Society

EST. 1974

INC.

www.eaars.com

facebook.com/k7ear

Club Address: EAARS, PO Box 398, Solomon, AZ 85551



May, 2017

LIKE EAARS on Facebook

EAARS has a presence on Facebook and you are invited to **LIKE** the page. This is a great media to quickly share news, photos and events that are EAARS related or might be interesting to the members. If you utilize "Notifications" on the EAARS Facebook page, you can receive club updates AS THEY HAPPEN. To reach the page, please visit facebook.com/k7ear and **LIKE** the page. Face book accounts are not needed to "visit" the page, you will only be able to read and not participate.



Welcome New EAARS Members!

KI7MPY	Mark
W1JTS	Jon
KJ7KX	Alfred
KK7SJ	Mary
KF5SR	Richard

AWESOME

EAARS Open Repeaters

PL 141.3 unless noted otherwise

Echolink: 614350 **IRLP:** 7787

Heliograph Peak at Safford, AZ:

146.860, 440.700 Linked
146.900

Jacks Peak at Silver City, NM:

145.210 Linked

West Peak at Ft Thomas, AZ:

145.350 Access to link to network

Pinal Peak at Globe, AZ:

145.410 Linked

South Mt at Alpine, AZ:

145.270 Linked

Caballo Mt at TorC, NM:

145.470 Linked

Greens Peak at Show Low, AZ

146.700 Linked

Little Florida at Deming, NM:

147.060 Linked

Mule Mt at Bisbee, AZ:

147.080 Linked

Mt Lemmon at Tucson, AZ

147.160 Linked

Guthrie Peak at Clifton, AZ:

147.280 Linked

AZ Heliograph Peak:

447.8250 Not Linked

Gals on the Air!

Calling all Gals of any class ... Join us every Monday night for the
Gals Night Net @ 7:30 pm (AZ) on the EAARS system!

Upcoming Events

*Would You like to see your event posted for the membership to see?
Email your information to emberfire@cox.net.*

May 4, 2017 Spaghetti Fundraiser (see page 8)
May 6, 2017 7QP Contest - Graham/Greenlee County
May 6, 2017 CARA Spring Hamfest and License Exam Session
June 24-25 Field Day Weekend

Sept 16, 2017 EAARS Picnic - Safford, AZ

Did you know that you can see the Public Service Opportunities on soazhamservice.net? The events are posted by dates and who leads them. If you are interested in participating or have any questions, please feel free to contact them.

WEEKLY EAARS' NETS

Every day:

Down Under Net - 4:15 am

Weather Net - 5:30 am

NTS Traffic Net - 6:30 pm

Sunday:

EAARS Net - 7:00 pm

Monday:

Gals Night Net - 7:30 pm

Wednesday:

Skywarn Net - During Monsoon, Every Wednesday at 7:30 pm,
Off Season, every second Wednesday of month at 7:30 pm

Saturday:

ERC (Emergency Response Communications) Net - 8:45 am ,
2nd Saturday of the month (20-25 min duration)

2016 Officers and Staff

Board Officers

President	Dave Wells	N7AM
Vice President	Dan Quaintance	AF7EF
Secretary/Treasurer	Larry Griggs	N5BG

Staff

Site Trustee	Joe Montierth	K7JEM
Net Manager	Chris Buchanan	N7JND
Newsletter Editor	Angie Buchanan	N7EMB

Net Control Operators

Rick	KE7EDP	1st Sunday
Angie	N7EMB	2nd Sunday
Mike	W7IJ	3rd Sunday
Chris	N7JND	4th Sunday
Karl	N7DMA	5th Sunday

There have been a couple inquiries about creating a **"How To Use the EAARS Repeater System"**. Although nothing will be printed here at this point, please take a look at the EAARS website. There are some instructions on using the system and how the system should be used. Please view the following pages at the EAARS.COM website...

GUIDELINES FOR EAARS REPEATER USE QUICK START GUIDE FOR IRLP AND ECHOLINK EAARS NETWORK REPEATER INFO

These links will give you some guidance on using the system and how it's laid out. If you are not familiar with the HOW TO's of the EAARS system, please review the pages listed above at EAARS.COM.

The whole EAARS website is full of some great reading and great information. And as always, if you don't understand something or how to do something, just ask. Someone will walk you through it.

ISS Packet System is Back on VHF



04/14/2017 - arrl.org

The Amateur Radio on the International Space Station (ARISS) packet digipeater system is again operating on VHF — 145.825 MHz. The failure of an Ericsson handheld VHF transceiver on board the ISS last fall had caused ARISS to shift packet operation to 70 centimeters. A cargo resupply mission in February delivered a new Ericsson 2 meter handheld, to replace the one that had failed, which had been used in the Columbus module for school group contacts and for Amateur Radio packet.

While the VHF transceiver was offline, ARISS shifted school contacts from NA1SS to the Kenwood TM-D710 transceiver in the Russian Service Module. NASA ISS Ham Project Coordinator Kenneth Ransom, N5VHO, said the VHF capability now back in Columbus can be used in conjunction with passes involving the HamTV digital amateur television (DATV) system, which operates on 2.4 GHz.

ARISS International Chair Frank Bauer, KA3HDO, said recently that ARISS continues to make progress on the development of the new interoperable radio system on the ISS "that we hope to use to replace our aging radio infrastructure in the Columbus module and the Service module."

Packets digipeated in a valid APRS format via the ISS system and picked up by an Internet gateway station are documented on the "Amateur Radio Stations heard via ISS" page. — Thanks to Kenneth Ransom, N5VHO, ISS Ham Project Coordinator

Origin of 73

Since we have so many new hams now, and more coming on every week, I thought it might be nice to explain the true meaning and origins of the term, the best that I can determine.

Imagine the wild days of the old west. Railroads were being built, telegraph wire being strung everywhere. There were still wild Indians to deal with. Colt had introduced the .45 caliber peace maker. Rifles were still single shot muzzleloader type.

Then, Winchester Repeating Arms introduced the Model 1873 Repeating Rifle. For the first time, a rifle could fire more than one round at a time. This folks, was about the greatest invention since sliced bread. Every body, and I do mean everyone wanted one.

Western Union telegraph operators began a tradition on the end of their messages, that they wished the other operator a 73 (referring to the coveted rifle).

The tradition continues to the day to use the term "73" as a wish of good luck.

73, Rick McNutt W5CF

2017 ARRL FIELD DAY | June 24-25

New to Field Day? START at ARRL.org/field-day



Field Day is ham radio's open house. Every June, more than 40,000 hams throughout North America set up temporary transmitting stations in public places to demonstrate ham radio's science, skill and service to our communities and our nation. It combines public service, emergency preparedness, community outreach, and technical skills all in a single event. Field Day has been an annual event since 1933, and remains the most popular event in ham radio.

Field Day on Social Media!

Follow Field Day on Facebook and Twitter! ARRL has created a Field Day event on Facebook, and you can also join the conversation by using the hash tag #ARRLFD. Share your plans, tips and tricks to a successful Field Day!

Field Day Objective-

To work as many stations as possible on any and all amateur bands (excluding the 60, 30, 17, and 12-meter bands) and to learn to operate in abnormal situations in less than optimal conditions. Field Day is open to all amateurs in the areas covered by the ARRL/RAC Field Organizations and countries within IARU Region 2. DX stations residing in other regions may be contacted for credit, but are not eligible to submit entries.

**ARRL welcomes the public to come learn more about ham radio!
Use their Field Day Locator to search for a Field Day site near you.**

Printed in part from the National Weather Service Skywarn Page

If you been thinking about becoming a Skywarn weather spotter, now is your chance. Please take advantage of one of these classes. You will gain a lot of knowledge on weather spotting and you will receive an official Skywarn Spotter Number. These classes will not be offered again, until the spring of 2018.



NWS Tucson Spotter Training Schedule 2017 Southeast Arizona SKYWARN® spotter training schedule

Date	Time	Location (address)
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May 1st	6:00 pm	-- Nogales (Santa Cruz County Admin Bldg. - 2150 North Congress Street)
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May 8th	6:30 pm	-- Marana (Municipal Complex - 11555 West Civic Center Drive)
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May 11th	6:00 pm	-- Bisbee (County Board of Supervisors Meeting Room - 1415 Melody Lane, Bldg G)
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May 13th	2:00 pm	-- Tucson (Environ & Natural Resource Bldg - 520 North Park Avenue, Suite 252)
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May 17th	6:00 pm	-- North Komelik (Sif Oidak Rec Center)
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May 20th	2:00 pm	-- Oro Valley (Public Library - 1305 West Naranja Drive)
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June 5th	6:00 pm	-- Safford (Graham County General Services Bldg - 921 Thatcher Blvd.)
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June 8th	6:00 pm	-- San Xavier (Recreation Center - 8549 South J Major Drive)
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You only need to attend ONE of these FREE training sessions to be certified as a SKYWARN Spotter.

Pre-registration for these classes is NOT required.

Topics covered include cloud features, severe thunderstorm recognition, severe weather safety rules and reporting procedures.

These sessions usually last just under 2 hours.

Ham Radio Club in India Reunites Lost, Injured Pilgrims and Travelers with Families

04/20/2017

For the past 24 years, members of India's West Bengal Radio Club (WBRC) have helped to reunite lost or injured individuals, many of them pilgrims attending the Ganga Sagar Mela festival each January. The Ganga Sagar fair and pilgrimage, held on Sagar Island's southern tip in the Ganges Delta on the Bay of Bengal, attracts a huge number of people, and the club typically fields a special event station for the occasion. But each year, a number of visitors simply lose their way. This year, the Chief Medical Officer of Health for the region once again reached out to the club for its help.

"Some people are admitted [to the hospital] at the time of Sagar Mela, and after the end of mela, many patients are waiting to return to their homes," WBRC founder and secretary Ambarish Nag "Raju" Biswas, VU2JFA, told ARRL. "But some patients are not able to reach their destination on their own, and no family members have claimed them."

WBRC members contact other radio amateurs in the home states of those who have become separated or, in some cases, just become lost, to reconnect them with their families and help them on their way.

Recently, a 25-year-old man — a Tamil speaker not in town for the fair — became hurt and lost and was hospitalized. Biswas, who does not speak Tamil, enlisted the assistance of another club member, T. Gopinath, VU3ZHC, who was able to translate. Armed with some information from the man and a photo, the club members, working for more than a month through ham radio and social media, were able to get in touch with the man's family in the Vellore district.

"When we met him, he could hardly speak. He had head injuries," Biswas said. They were able to determine that the young man, who was headed for Gujarat state for work, had ended up in Kolkata by mistake and had lost all his belongings on a train.

The young man's father and brother came to West Bengal with documents to prove his identity, and the hospital and local authorities reunited him with his family.

Another patient in his early 70s has only been able to provide his name and state but nothing else, and after searching via ham radio, the club has been unable to repatriate him. He remains in the hospital in West Bengal. "We are trying our best," Biswas said. "We found 563 persons this Sagar Mela." He said others also remain in the hospital and in limbo.

A man in his 60s who had attended the mela awoke in the hospital after becoming separated from his family, which had returned home to Bihar state without him, assuming he was lost. Authorities turned to the radio amateurs at the club, who were able to reunite him with his family within a couple of days. — Thanks to Raju Biswas, VU2JFA, and to Greg Lee, KI6GIG/HS0ZHM

I read this article on the ARRL website and had to share it!
That is what hams do ... help others! ~Angie



Boy Scout News from WN7BSA

One of our own, KG7EXA, Chris, will be graduating high school this May from The Academy of Tucson High School and heading off to the University of Arizona to major in Computer Science and Software Engineering.

He may be a bit of a stranger on the EAARS system but he is no stranger to those involved in emergency communications in the Tucson Area. He has provided amateur radio support for El Tour de Tucson, the Tucson Marathon, 24-hours In The Old Pueblo, the Arizona Trail Run, and other public service events for the last four years or since he was 14-years old. Wow! That's a lot of public service. But wait . . . there's more!

Within the scouting world, Chris has recently been promoted to Eagle Scout having fulfilled all the leadership, public service, and merit badge requirements. He also encouraged the founding of the Southern Arizona Boy Scouts Wireless Association, better known as WN7BSA and is a charter member. (I should know; he wouldn't let me alone until I got the FCC license.) He has helped WN7BSA promote many amateur radio outings including the annual Jamboree On The Air (JOTA).

Chris's hobbies? It is no surprise . . . coding software (not playing the video games, BUT MAKING the video games), amateur radio, emergency communications as public service, and astronomy. Enough Chris; I'm getting tired just thinking about all you are doing. Good luck and may God bless you in your future endeavors.

Respectfully submitted by Joe Statkevics
Chief operator - K3TYE
Trustee - WN7BSA
And mentor to a great bunch of youngsters.

We do a lot for local youth and we are asking for a little help from the amateur radio community. This coming Thursday, we will be hosting a spaghetti dinner at the Immanuel Presbyterian Church, starting at 5:00 PM. The address is 9252 East 22nd Street. The cost is a free will donation. If you can, please come on over, enjoy a plate of spaghetti, and meet with a bunch of other operators. Be sure to wear your name tag.

Cooking up Some Magic



Heart-Healthy Sloppy Joes

Total: 30 min Active: 15 min
Yield: 8 servings Level: Easy



Per Serving Calories - 248 calorie
Total Fat - 4 grams
Saturated Fat - 1.1 grams
Sodium - 535 milligrams
Carbohydrates - 37 grams
Dietary Fiber - 7 grams
Protein - 18 grams

Ingredients:

1 pound extra-lean ground beef
1 onion, diced
4 cloves garlic, minced
1 jalapeno, minced
1 red pepper, diced

1 can small red beans or pinto beans
(sodium drained and rinsed)
1 1/2 cups no-salt-added tomato sauce
2 tablespoons tomato paste
1 tablespoon red wine vinegar
1 tablespoon molasses
1 tablespoon Worcestershire sauce
1 teaspoon mustard powder
3/4 teaspoon salt
Freshly ground black pepper

8 whole-wheat burger buns

Directions:

Brown the meat and the onion in a large nonstick skillet over medium-high heat for 5 minutes, breaking up the meat into crumbles as it cooks.

Pour the drippings out of the pan and discard. Add the garlic, jalapeno, and red pepper and cook 5 minutes more, stirring occasionally.

Stir in the rest of the ingredients, reduce heat to low, and simmer for 5 minutes more.

Place a half-cup scoop of the mixture onto each bun and serve.

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